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(71) Applicant (for all designated States except US): THE
UNIVERSITY OF LIVERPOOL [GB/GB]; Senate
House, Abercromby Square, Liverpool L69 3BX (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): WILSON, Robert
[GB/GB]; Department of Chemistry, The University of
Liverpool, Crown Street, Liverpool L69 7ZD (GB).

(74) Agent: W.P.THOMPSON & CO.; Coopers Building,
Church Street, Liverpool, L1 3AB (GB).

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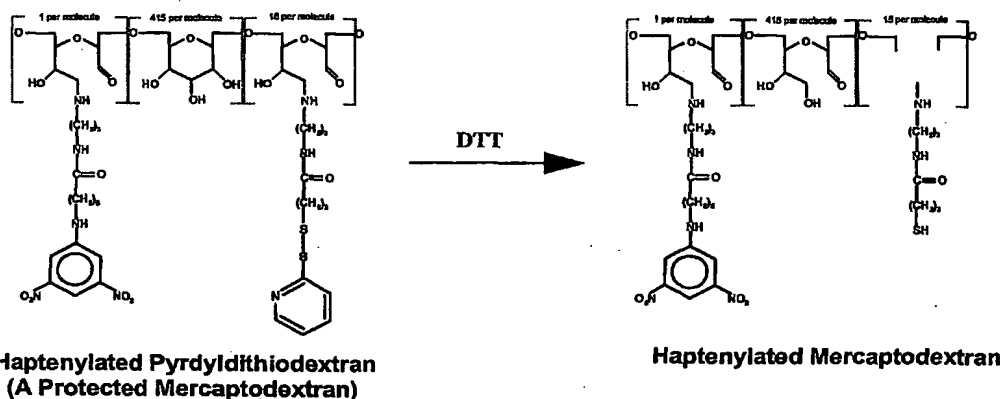
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(54) Title: NANOPARTICLE CONJUGATES AND METHOD OF PRODUCTION THEREOF



(57) Abstract: The present invention provides a method for the preparation of nanoparticle conjugates comprising: protocols for synthesizing intermediate product molecules by introducing known numbers of two or more substituents into a flexible hydrophilic polymer, where one substituent is capable, optionally after deprotection, of binding to a nanoparticle, and where the other substituents are capable of participating in analytical or other applications; protocols for contacting the intermediate product molecules with nanoparticles for a period of time and under conditions effective to allow the binding of a known number of the intermediate product molecules to each nanoparticle to provide the nanoparticle conjugate.

WO 2004/047870 A1